

ABSTRACT

A nonaqueous electrolyte battery incorporating a case constituted by a laminate film and accommodating a unit cell such that the unit cell is sealed by heat welding; and electrode terminal leads electrically connected to electrodes which constitute the unit cell and sandwiched by a heat weld portion so as to be exposed to the outside of the case, wherein the electrode terminal leads are coated with sealant resin at a position corresponding to the heat weld portion, and at least a portion of the sealant resin which is in contact with either principal plane of each of the electrode terminal leads is deformed along the shape of each of the electrode terminal leads so that at least the portion of the sealant resin is formed into an uneven shape. To realize the foregoing state of coating, the heater head is provided with a elastic member when the sealant resin is bonded to the electrode terminal leads. The sealant resin has a single-layer structure or a multilayer structure having a central material made of resin having a high melting point.